ABSTRACT

DETERMINATION OF EXOGENIC COMPOUNDS IN BLOOD BY HPLC

Diploma Thesis

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This thesis is engaged in HPLC analysis of tenoxicam in blood. For sample pretreatment solid ï phase extraction was used. As the mobil phase the mixture of metanol:phosphoric acid 0,1% (2:1), pH 2,95 was employed. Samples were chromatographed on Separon SGX C_{18} 150 x 3,0 mm I.D. (7µm) column. The UV detection was realized at wavelenght of 280 nm, the fluorimetric detection at excitation wavelenght 350 nm and emission at wavelenght 450 nm. The naproxen was selected as internal standard. The calibration curves were constructed and were verified using three samples. The method has been validated from the point of view of specificity, precision, limit of detection and limit of quantification.